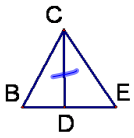
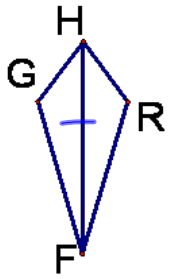


Given: picture
Conclusion: CD = CD
Reason: Reflexive

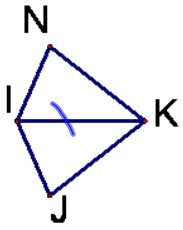
1.



Given: picture
Conclusion: HF = HF
Reason: Reflexive

2.

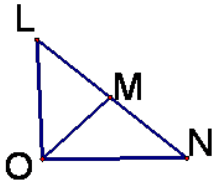
Conclusion: IK = IK
Reason: Reflexive



3.

Conclusion: OM = OM
Reason: reflexive

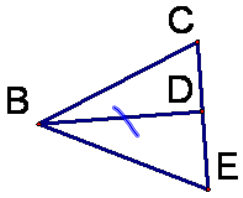
#s 4 - 9



4.

Conclusion: BD=BD

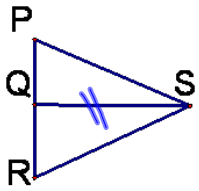
Reason: Reflexive

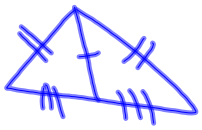


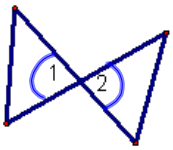
5.

Conclusion: QS=QS

Reason: Reflexive

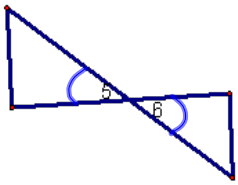






Given: picture
Conclusion: ∠1 ≅ ∠2
Reason: Vertical ∠s are ≅

10.

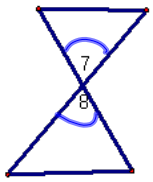


Given: picture
Conclusion: ∠5 ≅ ∠6
Reason: Vertical ∠s are ≅

11.

Conclusion: $\angle 7 \cong \angle 8$

Reason: vert. $\angle$s are $\cong$

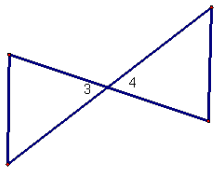


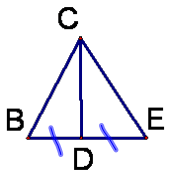
D/ 12-15

12.

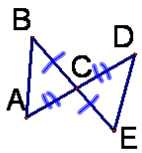
Conclusion:

Reason:



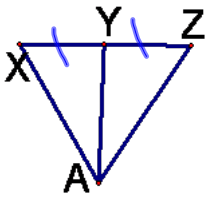


Given: D is the midpoint of $\overline{BE}$
Conclusion: BD =DE
Reason: Def. of midpoint



Given: C is the midpoint of $\overline{BE}$ and $\overline{AD}$
Conclusion #1: BC = CE
Conclusion #2: AC = CD
Reason: Def. of midpoint

16.



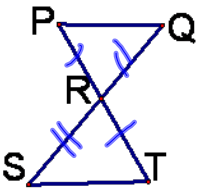
Given: Y is the midpoint of $\overline{XZ}$
Conclusion: XY = YZ
Reason: def. of midpt

17.

Conclusion #1: $\overline{PR} = \overline{RT}$

Conclusion #2: $\overline{RS} = \overline{RQ}$

Reason: def of midpt.

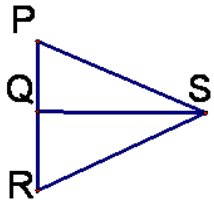


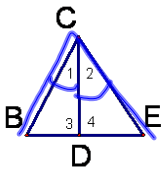
#18 If -21

18.

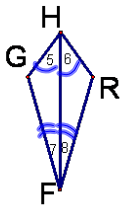
Conclusion :

Reason:



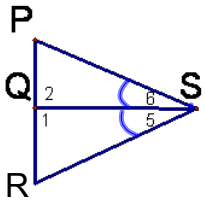


Given: $\overline{CD}$ bisects ∠BCE
Conclusion: ∠1 ≅ ∠2
Reason: def. of ∠ bisector



Given: $\overline{HF}$ bisects ∠GFR and ∠GHR
Conclusion #1: ∠5 ≅ ∠6
Conclusion #2: ∠7 ≅ ∠8
Reason: def. of ∠ bisector

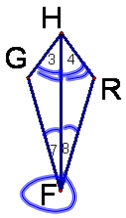
22.



Given: $\overline{QS}$ bisects ∠PSR
Conclusion: ∠6 ≅ ∠5
Reason: def of ∠ Bis.

23.
Conclusion #1: ∠7≅∠8
Conclusion #2: ∠3≅∠4
Reason: def of ∠ Bis.

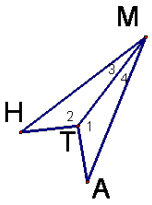
∠GFR ∠GHR



Do 24 – 27

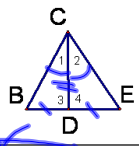
24.
Conclusion :

Reason:



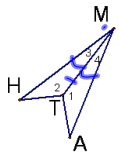
For the following problems, state as many conclusions as possible and give the reasons for each conclusion.

28.



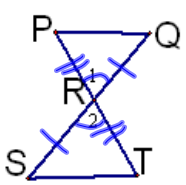
Given: CD bisects ∠BCE, D is the midpoint of BE
Conclusion#1: ∠1≅∠2 Reason: def of ∠ Bis.
Conclusion#2: BD=DE Reason: def of mdpt
Conclusion#3: CD=CD Reason: Reflexive

29.



Given: MT bisects ∠HMA;
Conclusion#1: ∠3≅∠4 Reason: def of ∠ Bis
Conclusion#2: MT=MT Reason: Reflexive

30.



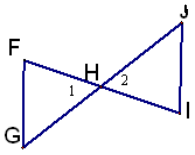
Given: R is the midpoint of $\overline{QS}$ and $\overline{PT}$

Conclusion#1: SR=QR Reason: def of midpt

Conclusion#2: PR=RT Reason: def of midpt

Conclusion#3: ∠1≅∠2 Reason: Vert ∠s ≅

31.



Given: H is the midpoint of $\overline{FI}$

Conclusion#1:_____ Reason: _____

Conclusion#2:_____ Reason: _____

HW 33-37